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PTO/SB/08a (05-03) (AW 07/03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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SHEET 1 of 1

Complete if Known

Application Number	To Be Assigned 10/648,905
Filing Date	Herewith
First Named Inventor	H. Hamada
Art Unit	2874
Examiner Name	SONG
Attorney Docket No.	MTS-3453US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP 2001-337236 (English abstract provided)	12/7/2001	Nippon Telegr & Teleph Corp <NTT>	Entire Document	<input type="checkbox"/>
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Examiner Signature	<i>Larrah Young</i>	Date Considered	08 AUG 05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

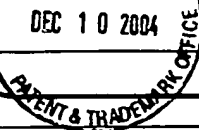
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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SHEET 1 of 2

Complete if Known

Application Number	10/648,905
Filing Date	August 27, 2003
First Named Inventor	Hidenobu HAMADA
Art Unit	2874
Examiner Name	Sarah U. Song
Attorney Docket No.	MTS-3453US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Sub		US 5,389,943 A	02/14/95	JOANNOPOULOS, et al.	
		US 4,657,344 A	04/14/87	Heinz Bohm	
		US 4,025,157 A	05/24/77	William E. Martin	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
Sub		WO 02/063347 A	08/15/02	HO SENG-TIONG; ZHOU YAN (US); PHOSISTOR TECHNOLOGIES INC. (US)		<input type="checkbox"/>
Sub		WO 02/091051 A	11/14/02	MANOLATOU CHRISTINA; MASSACHUSETTS INST TECHNOLOGY (US); MICHEL JURGE		<input type="checkbox"/>
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Substitute for Form 1448/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete If Known	
	Application Number	10/648,905
	Filing Date	August 27, 2003
	First Named Inventor	Hidenobu HAMADA
	Art Unit	2874
	Examiner Name	Sarah U. Song
SHEET 2 of 2		Attorney Docket No. MTS-3453US

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
SW		European Search Report for EP 03 01 9006, dated November 16, 2004.	<input type="checkbox"/>
SW		Roberts, et al., "Guided mode analysis, and fabrication of a 2-dimensional visible photonic band structure confined within a planar semiconductor waveguide", MATERIALS SCIENCE AND ENGINEERING B, ELSEVIER SEQUOIA, LAUSANNE, CH, Vol. 49, No. 2, September 19, 1997, pp. 155-165.	<input type="checkbox"/>
SW		Beltrami, et al., "PLANAR GRADED-INDEX (GRIN) PECVD LENS", ELECTRONICS LETTERS, IEE STEVENAGE, GB, Vol. 32, No. 6, March 14, 1996, pp. 549-550.	<input type="checkbox"/>
SW		Baba, et al., "Strong enhancement of light extraction efficiency in GaInAsP 2-D-arranged microcolumns", JOURNAL OF LIGHTWAVE TECHNOLOGY IEEE USA, Vol. 17, No. 11, November, 1999, pp. 2113-2120.	<input type="checkbox"/>
SW		Johnson, et al., "Guided Modes in Photonic Crystal Slabs", PHYSICAL REVIEW, B. CONDENSED MATTER, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, Vol. 60, No. 8, August 15, 1999, pp. 5751-5758.	<input type="checkbox"/>
SW		Weisbuch, et al., "3D CONTROL OF LIGHT IN WAVEGUIDE-BASED TWO-DIMENSIONAL PHOTONIC CRYSTALS", IEICE TRANSACTIONS ON ELECTRONICS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, Vol. E84-C, No. 5, May, 2001, pp. 660-668.	<input type="checkbox"/>
SW		Krauss, et al., "PHOTONIC CRYSTALS IN THE OPTICAL REGIME - PAST, PRESENT AND FUTURE", PROGRESS IN QUANTUM ELECTRONICS, PERGAMON PRESS, OXFORD, GB, Vol. 23, No. 2, 1999, pp. 51-96.	<input type="checkbox"/>
			<input type="checkbox"/>
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			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	<i>Sarah U. Song</i>	Date Considered	08 AUG 05
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